BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 3000000.00

Name of Work: Emergency works (Culverts, footpaths and others)

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	PART-A (Balance works to Byatrayanapura Division office building in ward no. 8, kodigehalli)								
1	Providing and fixing in position aluminium **windows and ventilators** as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thickvweight 1.07kg/m: sides and top sections 1.3 mm, thick weight 0.933 kg/m. shutter frame section comprising top and bottom section of size 40mmX18mm, wall thickness 1.25mm. weight 0.417 kg./m,shutterinterlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc: providing and fixing 5.5mm thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar using aluminium section anodized to 12-15 microns. using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality. (PWDSR 2015-16, P. 33, I. 7.11.2)								
	Executive engineer chamber window	Sqm	3	1.35	1.35		5.46		
	Hall and terrace windows	Sqm	7	1.35	1.35		12.75		
							18.21	4356.60	79334.0
	Basic Rate 4110.00								
	Area Weightage @ 6% 246.60								
	Total 4356.60								
2	Providing, fabricating, assembling and fixing in position **aluminium partitions** using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm X 44.45mm, 3.18mm. thick having section weight, plain sections 2.40kg/m single grove section 2.541 kg/m. and double grove section 2.683 kg/m and bottom member 114.3 mm X 44.45 mm 3.18 mm thick and 2.6 46 kg/m: aluminium louvres of size 77.6mmX27.6mm 1.7mm. thick section weight 0.483kg/m: bottom portions provided with 12mm. thick pre laminated sheet both side of approved colour lamination exterior grade:aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m.c to c: sections are cut to the required lengths, joints mitered and comers grinded subdividing frames tennoned and riveted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.colums or masonry on sides R.C.C lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m, from floor level and 5.5mm thick plain glass for middle protion viz., 0.9m to 2.13m and top panel with lower sections the glass and panels fitted with glazing clips of 19mm X 17.3mm. with thickness of 0.9mm. weight 0.124g/m: aluminium sections pre-treated for removal of any rust and prevention of further rust formation and coated with greasy materials for non-adherence of mortars or any other sticky materials vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar with necessary opening for fixing of doors of standard size (exclding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures,labour and HOM of machinery complete as per specifications. ----- (PWDSR 2015-16, P. 35, I. 7.14.2)								
	Inside Executive engineer chamber	Sqm	1	1.90	3.00		5.70		
	Hall partition	Sqm	1	9.45	2.45		23.15		
	Deduction for doors	Sqm	3	0.90	2.20		-5.94		
	Hall partition	Sqm	2	3.00	2.45		14.70		
	Hall partition	Sqm	1	5.70	2.45		13.96		
	Deduction for doors	Sqm	2	0.90	2.20		-3.96		
	Hall partition	Sqm	3	3.05	2.45		22.41		
							70.02	4891.90	342531.0

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4615.00							
	Area Weightage @ 6%	276.90							
	Total	4891.90							
3	Providing, fabricating, assembling and fixing in position **aluminium doors using following aluminium mat finish or glossy finish,** outer frame plain section 101.6x44.45mm thickness 3.18mm, section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mm thickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section 49.91x44.45 thickness 3.00mm, section weight 1.495 kg/m glazing clips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m: aluminium sections cut to length joint metred corners grinded, the shutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted providing and fixing standard approved acciessories, such as aluminium handle for full width or length, tower bolts, lock, pivots, P.V.C or rubber gasket with 5.5m thick plain glass for top and bottom panel: aluminium sections treated for removal of any rust and prevention of further rust formation and coated with greasy materials for non-adherance of mortars or any other sticky materials: the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. colums or masonry on sides. beams and flooring in bottom including cutting, chistling and making good with cement mortar to match the surface: all the frames throughly cleaned free from rust, scale or dirt including cost pf materials, fixtures, labour and HOM of machinery complete as per specifications. using aluminium section anodized to 12-15 microns using aluminum section powdered aoated to a minium of 60-70 microns with exterior durable pure polyester grde powder of approved quality. ----- (PWDSR 2015-16, P. 37, I. 7.17.2)								
	Executive engineer room	Sqm	1	0.90	2.20		1.98		
	Hall portion	Sqm	5	0.90	2.20		9.90		
							11.88	6587.90	78264.0
	Basic Rate	6215.00							
	Area Weightage @ 6%	372.90							
	Total	6587.90							
4	Grandee Main desk (As per approved data rate)	No.							
		Sqm	1				1.00		
							1.00	22513.0	22513.0
5	Grandee 2 door + 3 drawers (As per approved data rate)	No.							
		1	1				1.00		
							1.00	18987.0	18987.0
6	High back net chair (As per approved data rate)	No.							
		1	2				2.00		
							2.00	6886.0	13772.0
7	Computer chairs	No.							
		1	2				2.00		
							2.00		0.0
8	High back chair (Normal)	No.							
		1	6				6.00		
							6.00	6663.0	39978.0
9	Plastic chair	No.							
		1	25				25.00		
							25.00	728.0	18200.0
10	Visitor chair	No.							
		1	6				6.00		
							6.00	3915.0	23490.0
11	Almirah	No.							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		1	12				12.00		
							12.00	8379.0	100548.0
12	Medium sized table	No.							
		1	7				7.00		
							7.00	11000.0	77000.0
13	Computer table	No.							
		1	2				2.00		
							2.00	8000.0	16000.0
14	Writing table mobile pedestal (as per approved data rate)	No.							
		1	1				1.00		
							1.00	26741.0	26741.0
15	Double battery UPS	No.							
		1	1				1.00		
							1.00	45000.0	45000.0
16	CCTV camera with all accessories	No.							
		1	1				1.00		
							1.00	52000.0	52000.0
17	30 inch TV of approved make with all accessories	No.							
		1	1				1.00		
							1.00	23000.0	23000.0
									977358.0
	Sub Total								
									9774.0
	QC Charges @ 1%								
									2868.0
	Miscellaneous and Unforeseen Charges	L/S							
								Sub Total (A)	990000.0

(Rupees Nine Lakhs Ninety Thousand Only)

PART-B (Construction of store room in Division office premises in ward no. 8, Kodigehalli)

1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, Page No. 5 / Item No. 2.3/ PWD SR 2015-16								
	Columns	Cum	4	1.50	1.50	1.20	10.80		
	Long walls minus columns	Cum	2	5.54	0.90	0.90	8.97		
	Short walls minus columns	Cum	2	5.04	0.90	0.90	8.16		
							27.93	188.68	5270.0
	Basic Rate	178.00							
	Area Weightage @ 6%	10.68							
	Total	188.68							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. No. 12/ Item No. 4.3/ PWD SR 2015-16								
	Columns	Cum	4	1.5	1.5	0.15	1.35		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Long walls minus columns	Cum	2	5.54	0.9	0.15	1.49		
	Short walls minus columns	Cum	2	5.04	0.9	0.15	1.36		
	Flooring	Cum	1	5.54	5.04	0.15	4.18		
							8.38	4976.70	41705.0
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	4976.70							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23 / Item No. 5.6 / PWD SR 2015-16								
	Long walls minus columns	Cum	2	5.54	0.68	0.75	5.60		
	Short walls minus columns	Cum	2	5.04	0.68	0.75	5.10		
					av.		10.70	4058.74	43429.0
	Basic Rate	3829.00							
	Area Weightage @ 6%	229.74							
	Total	4058.74							
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23 / Item No. 5.9 / PWD SR 2015-16								
	Long walls minus columns	Cum	2	5.54	0.45	0.45	2.24		
	Short walls minus columns	Cum	2	5.04	0.45	0.45	2.04		
							4.28	4814.52	20606.0
	Basic Rate	4542.00							
	Area Weightage @ 6%	272.52							
	Total	4814.52							
5	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16								
	Column Footing	Cum	4	1.30	1.30	0.50	3.38		
	Columns	Cum	4	0.23	0.23	5.05	1.06		
	Beams alround	Cum	1	23.00	0.23	0.30	1.58		
	Plinth Beam alround	Cum	1	21.16	0.45	0.20	1.90		
	Lintels	Cum	1	21.16	0.20	0.15	0.63		
	Roof Slab	Cum	1	5.50	6.75	0.15	5.56		
							14.11	6083.34	85836.0
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	6083.34							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 (P.6/I.2.10) PWD SR 2015-16								
		Cum		Qty Vide Item No. 1			27.93	127.20	3553.0
	Basic Rate	120.00							
	Area Weightage @ 6%	7.20							
	Total	127.20							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25 / Item No. 5.27 / PWD SR 2015-16								
	Wall Portion	Sqm	2	5.54		3.00	33.24		
	short wall	Sqm	2	5.04		3.00	30.24		
	Parapet Wall	Sqm	2	24.50		0.90	44.10		
	Steps	Sqm	1	1.50	0.45		0.67		
	Steps	Sqm	1	1.50	0.30		0.45		
	Steps	Sqm	1	1.50	0.15		0.22		
							108.92		
	Door	Sqm	1	1.20		2.10	2.52		
	windows	Sqm	2	1.35		1.35	3.64		
							-6.16		
							102.76	999.58	102717.0
	Basic Rate	943.00							
	Area Weightage @ 6%	56.58							
	Total	999.58							
8	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 Page No. 14 / Item No. 4.19 / PWD SR 2015-16								
	chejjas - windows outside	Sqm	2	1.65	0.45		1.48	461.10	
	Sajja inside	Sqm	1	16.30	0.45		7.33		
							8.81	465.34	4100.0
	Basic Rate	439.00	435.00						
	Area Weightage @ 6%	26.34	026.10						
	Total	465.34	461.10						
9	KSRB 4.9.1: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17 / Item No. 4.46.2 / PWD SR 2015-16 - FE 500								
	For Roof, Columns Beams @ 110 Kg / Cum	Qtl	1.10	14.11			15.52		
	Chajjas @ 7.5 Kg / Cum	Qtl	0.075	8.81			0.66		
		Qtl					16.18		
		Tons					1.62	58229.24	94215.0
	Basic Rate	64635.00							
	Deduct for TMT material rate (sl. No. 923, P. XXXII)	44500.00							
	Add for SR rate	36950.00							
	Sub-total	57085.00							
	Area Weightage @ 6%	3425.10							
	Total	58229.24							
10	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15 / Item No. 4.31/ PWD SR 2015-16								
	Columns Footing	Sqm	4	5.20		0.50	10.40		
	columns	Sqm	4	0.92		5.05	18.58		
	Beams alround	Sqm	1	23.00		0.83	19.09		
	Plinth	Sqm	2	21.16		0.20	8.46		
	Lintels	Sqm	2	21.16		0.15	6.34		
	Roof	Sqm	1	5.50	6.75		37.12		
	alround sides	Sqm	1	24.50		0.15	3.67		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							103.66	301.04	31206.0
	Basic Rate	284.00							
	Area Weightage @ 6%	17.04							
	Total	301.04							
11	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16 / Item No. 4.37 / PWD SR 2015-16								
	chejjas	Sqm	2	1.65	0.45		1.48		
	alround sides	Sqm	2	4.20		0.10	0.84		
	Sajjas	Sqm	1	16.30	0.45		7.33		
	alround sides	Sqm	1	33.50		0.10	3.35		
							13.00	278.78	3624.0
	Basic Rate	263.00							
	Area Weightage @ 6%	15.78							
	Total	278.78							
12	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making laster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. (PWDSR 2015-16, P. 51, I. 9.11)								
	Honne wood frames main door	cum	1	1.50	0.125	0.125	0.023		
		cum	2	2.10	0.125	0.125	0.065		
	Honne wood frames main windows	cum	4	1.65	0.100	0.100	0.066		
		cum	8	1.35	0.100	0.100	0.108		
							0.26	108792.04	28504.0
	Basic Rate	102634.0							
	Area Weightage @ 6%	6158.04							
	Total	108792.0							
13	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) (PWDSR 2015-16, P. 52, I. 9.29)								
	Main door	sqm	1	1.20		2.10	2.52	3952.74	9961.0
	Basic Rate	3729.00							
	Area Weightage @ 6%	223.74							
	Total	3952.74							
14	Providing and fixing in position fully panelled Honne wood fully panelled shutters for windows with styles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) (PWDSR 2015-16, P. 54, I. 9.44)								
	Windows	sqm	2	1.35		1.35	3.64	5051.96	18389.0
	Basic Rate	4766.00							
	Area Weightage @ 6%	285.96							
	Total	5051.96							
15	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 113 / Item No. 15.21 / PWD SR -2015-16								
	ceiling	Sqm	1	5.10	6.35		32.38		
	Beams	Sqm	1	23.00	0.60		13.80		
	chejja top and bottom	Sqm	4	1.65	0.45		2.97		
	chejja sides	Sqm	2	2.55	0.10		0.51		
	Sajja top and bottom	Sqm	2	16.30	0.45		14.67		
	Sajja sides	Sqm	1	16.30	0.10		1.63		
							65.96	193.98	12795.0
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	193.98							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 113 / Item No. 15.19 / PWD SR 2015-16 (Inside wall)								
	Inside wall	Sqm	2	5.60		3.00	33.60		
		Sqm	2	5.10		3.00	30.60		
							64.20		
	Deductions - For Door	Sqm	1	1.20		2.10	2.52		
	Windows	Sqm	2	1.35		1.35	3.64		
							-6.16		
							58.04	235.32	13658.0
	Basic Rate	222.00							
	Area Weightage @ 6%	13.32							
	Total	235.32							
17	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. (P. 114 / I. 15.33 PWD SR - 2015-16).								
		Qty Vide Item No. 15+16					124.00	25.44	3155.0
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	25.44							
18	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.17 / PWD SR 2015-16 (Out side Wall)								
	Out Side	Sqm	2	6.00		3.15	37.80		
		Sqm	2	5.50		3.15	34.65		
	parapet alround	Sqm	2	24.50		0.90	44.10		
							116.55		
	Deductions - For Door	Sqm	1	1.20		2.10	2.52		
	Windows	Sqm	2	1.35		1.35	3.64		
							-6.16		
							110.39	199.28	21999.0
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	199.28							
19	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications PWD SR 2015-16 (P.116 /I. 15.49.1)								
		Sqm		Qty Vide Item No.17			124.00	69.96	8675.0
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	69.96							
20	KSRB 15-16.1: providing and finishing external walls in two coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications PWD SR 2015-16 (P. 117 / I. 15.53.2) with Primer								
		Cum		Qty Vide Item No.18			110.39	83.74	9244.0
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	83.74							
21	KSRB15-17 : Painting of wood surface KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P-No: 117, Item No: 15.55)								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Doors	sqm	2	1.20		2.10	5.04		
	Windows	sqm	4	1.35		1.35	7.29		
							12.33	32.86	405.00
	Basic Rate Rs.	31.00							
	Add 6% A.W Rs.	1.86							
	Total Rate Rs.	32.86							
22	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P-No: 118, Item No: 15.60.1)								
	qty vide item no. 21	sqm	1				12.33	85.86	1059.00
	Basic Rate Rs.	81.00							
	Add 6% A.W Rs.	4.86							
	Total Rate Rs.	85.86							
23	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 107 / Item No. 14.43 / PWD SR 2015-16								
	flooring	sqm	1	5.60	5.10		28.56		
	skirting alround	sqm	1	21.40		0.15	3.21		
	steps	sqm	1	1.50	0.45		0.67		
	steps	sqm	3	1.50	0.15		0.67		
							33.11	1216.88	40291.0
	Basic Rate	1148.00							
	Area Weightage @ 6%	68.88							
	Total	1216.88							
24	Providing and laying intergral cement based water proofing treatemetn including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. A. Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound over the RCC slab after cleaning the surface brefore treatment. B. Laying cment concrete usign broken brick bats 25mm to 200mm size with 50% of cm 1:5 admixed with water proofing comund. C. proper curing. D. Finishing with 20mm thick joint less cm of mix 1:4, e. whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications. (PWDSR 2015-16, P. 66, I. 10.2)								
	Roof area	sqm	1	5.10	6.35		32.38	909.48	29449.00
	Basic Rate	858.00							
	Add 6% A.W Rs.	51.48							
	Total Rate Rs.	909.48							
25	Providing and fixing on wall surface 2.5kg / sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, curing complete as per specifications.(PWDSR 2015-16, P. 47, I. 8.17)								
		m	4	2.80			11.20	505.62	5663.00
	Basic Rate Rs.	477.00							
	Add 6% A.W Rs.	28.62							
	Total Rate Rs.	505.62							
26	Providing fixtures								
	a) Door lock (I. 391)	No	1	2			2.00	401.00	802.00
	b) Handles power coated 150mm (I. 393)	No	2	2			4.00	56.00	224.00
	c) Hinges 5" heavy duty (I. 1395)	No	101	2			202.00	37.00	7474.00
	d) Tower bolt 300 mm long (I. 412)	No	2	2			4.00	116.00	464.00
									648472.0
27	Sub Total								6485.0
28	For Third Party QC								100000.0
29	For steel staircase	LS							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
30	Electrificaiton charges	L/S	6%						38908.0
31	Miscellaneous and Unforeseen Charges	L/S							6135.0
								Sub Total (B)	800000.0
	(Rupees Eight Lakhs Only)								

Part- C (Construction of Compound wall and allied works to Governement school building in ward no. 8, Kodigehalli)

1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unservicea ble material and stacking the serviceable material with all lifts complete as per specifications. - Rubble stone masonry in cement mortar (PWDSR 2015-16, I. 18.27, P. 137)								
	ssm wall	cum	1	15.24	0.60	0.90	8.23		
							8.23	245.92	**2024.00**
	Basic Rate	232.00							
	Area Weightage @ 6%	13.92							
	Total	**245.92**							
2	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.3/ PWD SR 2015-16								
	for compound wall	cum	1	80.00	1.00	1.00	80.00		
	for cement concrete road	cum	1	12.50	4.30	0.30	16.13		
	for cc road-school entrance	cum	1	12.50	7.00	0.30	26.25		
	for pillars	cum	2	1.00	1.00	1.00	2.00		
	for watchman shed alround	cum	1	6.80	1.00	1.00	6.80		
							131.18	188.68	**24750.00**
	Basic Rate	178.00							
	Area Weightage @ 6%	10.68							
	Total	**188.68**							
3	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M10 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16								
	for compound wall	Cum	1	80.00	1.00	0.15	12.00		
	for cement concrete road	Cum	1	12.50	4.30	0.15	8.06		
	for cc road-school entrance	Cum	1	12.50	7.00	0.15	13.13		
	for pillars	Cum	2	1.00	1.00	0.15	0.30		
	for watchman shed alround	Cum	1	6.80	1.00	0.15	1.02		
	Qty						**34.51**	4976.70	**171733.00**
	Basic Rate	4695.00							
	Area Weightage @ 6%	281.70							
	Total	**4976.70**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16								
	column footings	Cum	2	1.00	1.00	0.35	0.70		
	columns	Cum	2	0.30	0.30	3.70	0.66		
	beam	Cum	1	4.25	0.30	0.30	0.38		
	Total qty						**1.74**	6083.34	**10585.00**
	Basic Rate	5739.00							
	Area Weightage @ 6%	344.34							
	Total	**6083.34**							
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P.15, I.4.28)								
	Column footings, alround	sqm	2	4.00		0.30	2.40		
							2.40	239.56	575.00
	Basic Rate	226.00							
	Area Weightage @ 6%	13.56							
	Total	**239.56**							
6	Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P.16, I.4.32)								
	columns	sqm	2	1.20		3.70	8.88		
	beam	sqm	1	8.80		0.30	2.64		
							11.52	376.30	4335.00
	Basic Rate	355.00							
	Area Weightage @ 6%	21.30							
	Total	**376.30**							
7	KSRB 5.3-1 Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stones hammer dressed in courses not less than 20 cm high, bond stones at two apart in each course including cost of all materials, labour, curing complete as per specifications. Page No. 23/ Item No. 5.6/ PWD SR 2015-16								
	for compound wall	Cum	1	80.00	0.75	0.75	45.00		
	for watchman shed alround	Cum	1	6.80	0.60	0.75	3.06		
							48.06	4058.74	**195063.00**
	Basic Rate	3829.00							
	Area Weightage @ 6%	229.74							
	Total	**4058.74**							
8	KSRB 5.3-1 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16								
	for compound wall	Cum	1	80.00	0.60	0.60	28.80		
	for watchman shed alround	Cum	1	6.80	0.45	0.60	1.84		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	@21kg/sqm	kg					**37.80**	109.18	**4127.00**
	Basic Rate	103.00							
	Area Weightage @6%	6.18							
	Total	**109.18**							
14	Providing barbed GI wire fencing of 12x12 gauge drawn into stone pillars or iron pillars including drawing in holes wherever necessary excluding the cost of pillars but including the cost of barbed wire and binding wire etc., complete. (Page No. 255 / Item No. 37.5 / PWD SR 2015-16)								
		m	5	80.00			400.00		
		m					**400.00**	28.62	**11448.00**
	Basic Rate	27.00							
	Area Weightage @6%	1.62							
	Total	**28.62**							
15	KSRB 6-2.3 Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2, Page No. 27/ Item No. 6.6/ PWD SR 2015-16								
	watchman shed	Cum	1	6.80	0.23	3.00	4.69		
	deductions								
	door	Cum	1	0.90	0.23	2.10	-0.43		
	lintel	Cum	1	6.80	0.23	0.15	-0.23		
	Balance Qty						**4.03**	6661.04	**26857.00**
	Basic Rate	6284.00							
	Area Weightage @ 6%	377.04							
	Total	**6661.04**							
16	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making laster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. (PWDSR 2015-16, P.51, I.9.11)								
	Main Door, alround	cum	1	6.60	0.100	0.100	0.066		
							0.066	108792	7180.00
	Basic Rate	102634							
	Area Weightage @ 6%	6158							
	Total	**108792**							
17	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 30mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) (PWDSR 2015-16, P.52, I.9.21)								
	Main Door, alround	sqm	1	0.90		2.10	1.89		
							1.89	4278.16	8086.00
	Basic Rate	4036.00							
	Area Weightage @ 6%	242.16							
	Total	**4278.16**							
18	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications etc., complete with all leads and lifts as per the directions of the Enginee-in-charge of the work. (PWDSR 2015-16, P-No: 32,Item No: 7.9)								
	Gate	sqm	1	4.25		1.80	7.65		
	Arch sides	sqm	4	2.34		0.30	2.80		
	Arch top and bottom	sqm	4	2.34		0.30	2.80		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							13.25		
	@21 kg per sqm	kg					278.25	90.10	25070.00
	Basic Rate	85.00							
	Area Weightage @ 6%	5.10							
	Total	**90.10**							
19	Providing and laying in position reinforced cement concrete of design mix M20 with opc cement @ 320 kgs, with 20mm and down size graded granite metal, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C. beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns including cost of all materials, labour, HOM of machinery, curing, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (excluding cost of steel, fabrication and plastering) (PWDSR 2015-16,P.No 13 I.No 4.13)								
	Lintel, alround	cum	1	6.80	0.23	0.15	0.23		
	Roof slab	cum	1	1.50	2.25	0.15	0.50		
							0.73	6229.62	4548.00
	Basic Rate	5877.00							
	Area Weightage @ 6%	352.62							
	Total	**6229.62**							
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beams haunchings, cantilelver, girders, bressumers and lintels exceeding 1m in depth including cost of all materials, labour complete as per specificaitons with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (P.15, I.4.34)								
	Lintel, both sides	sqm	2	6.80		0.15	2.04		
							2.04	265.00	541.00
	Basic Rate	250.00							
	Area Weightage @ 6%	15.00							
	Total	**265.00**							
21	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.29.2/ PWD SR 2015-16								
	Slab, base portion	sqm	1	1.50	2.25		3.37		
	slab, sides alround	sqm	1	7.50	0.15		1.12		
							4.49	572.40	2570.00
	Basic Rate	540.00							
	Area Weightage @ 6%	32.40							
	Total	**572.40**							
22	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/ PWD SR 2015-16								
	115Kg / Cum	Tonne	0.115	2.47			**0.28**	58229.2	**16540.00**
	Basic Rate	~~72548.0~~							
	Area Weightage @ 6%	4352.9							
	Total	**58229.2**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
23	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Page No. 110/ Item No. 15.21 PWD SR 2015-16								
	ceiling	sqm	1	1.50	2.25		3.37		
							3.37	193.98	654.00
	Basic Rate	183.00							
	Area Weightage @ 6%	10.98							
	Total	**193.98**							
24	Providing 18mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P. 98, Item 15.17)								
	inside, long walls	sqm	2	1.37		2.85	7.80		
	short walls	sqm	2	1.06		2.85	6.06		
	deduct for door, MD	sqm	1	0.90		2.10	-1.89		
							11.97	199.28	2385.00
	Basic Rate	188.00							
	Area Weightage @ 6%	11.28							
	Total	**199.28**							
25	KSRB 15.7: Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. Page No. 111 Item No. 15.33/ PWD SR 2015-16								
	Quantity vide item No. 24+25	sqm	1				15.34	25.44	390.00
	Basic Rate	24.00							
	Area Weightage @ 6%	1.44							
	Total	**25.44**							
26	Providing 12mm thick cement plaster in single coat with cement mortar 1:6 to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P. 97, item 15.11)								
	outside, long walls	sqm	2	1.83		3.00	10.97		
	short walls	sqm	2	1.52		3.00	9.14		
	deduct for door	sqm	1	0.90		2.10	-1.89		
							18.22	151.58	2762.00
	Basic Rate	143.00							
	Area Weightage @ 6%	8.58							
	Total	**151.58**							
27	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (PWDSR 2015-16, P. 113, item 15.49.1)								
				Qty Vide Item No.18			**15.34**	69.96	**1073.00**
	Basic Rate	66.00							
	Area Weightage @ 6%	3.96							
	Total	**69.96**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
28	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. with primer (PWDSR 2015-16, P. 114, item 15.53.2)								
		sqm	1				18.22		
							18.22	83.74	1526.00
	Basic Rate	79.00							
	Area Weightage @ 6%	4.74							
	Total	**83.74**							
29	KSRB15-17 : Painting of wood surface KSRB 15-17.1 : Applying priming coat over new wood surface and / or wood based surface with white lead paint priming including preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (P-No: 102,Item No: 15.55)								
		sqm	1				1.89		
	Coeft at 2.40	sqm					4.54	32.86	149.00
	Basic Rate	31.00							
	Area Weightage @ 6%	1.86							
	Total	**32.86**							
30	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications with all leads and lifts etc., complete as per the direction of Engineer-in-charge of the work. (P-No: 103,Item No: 15.60.1)								
		sqm	1				4.54		
							4.54	85.86	389.00
	Basic Rate	81.00							
	Area Weightage @ 6%	4.86							
	Total	**85.86**							
31	Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete (PWDSR 2015-16,P.No.104 / I.No.14.43)								
	shed	sqm	1	1.37	0.90		1.23		
	skirting alround	sqm	1	4.54	0.10		0.45		
		sqm					1.68	1216.88	2044.00
	Basic Rate	1148.00							
	Area Weightage @ 6%	68.88							
	Total	**1216.88**							
32	Providing fixtures								
	for all floors								
	a) Door lock (I. 391)	No	1				1.00	401.00	401.00
	b) Handles power coated 150mm (I. 393)	No	2				2.00	56.00	112.00
	c) Hinges 5" heavy duty (I. 1395)	No	4				4.00	37.00	148.00
	d) Tower bolt 300 mm long (I. 412)	No	1				1.00	116.00	116.00
33	Supplying and fixing new Mangalore tiles on existing reepers (P. 252, I. 37.9, SR 2015-16)								
	arch over gate	sqm	2	2.34	0.30		1.40		
		sqm					1.40	358.28	502.00
	Basic Rate	338.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	20.28							
	Total	**358.28**							
34	Providing lath plaster with cement mortar 1:3, 5cm thick with 6mm dia mild steel bars at 20cm c/c both horizontally and vertically fixing chicken mesh for drop chajja, facia, backing to cup boards including cost of all materials, labour, providing and removing form work HOM of machineries, curing, complete s per specifications. (P. 14, I. 4.27, SR 2015-16)								
	arch over gate	sqm	0.50	4.25	1.00		2.12		
		sqm					2.12	984.74	2088.00
	Basic Rate	929.00							
	Area Weightage @ 6%	55.74							
	Total	**984.74**							
							Sub - Total		**1136813.00**
35	Electrical Charges for cabling	**L/S**		5.00%					**56841.00**
36	For 1% Third Party Inspection Charges								**11368.00**
37	Miscesallaneous Charges	L/S							**4978.00**
	Sub Total - C								**1210000.00**

(Rupees Twelve Lakhs Ten Thousand Only)

Grand Total	**3000000.00**

(Rupees Thirty Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of PWD 2015-16.
3 The provisions were made in this estimate are necessary and adequate.

Assistant Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
19/7

Assistant Executive Engineer,
Kodigehalli Sub Division
Yelahanka Zone, B.B.M.P.
Bangalore.

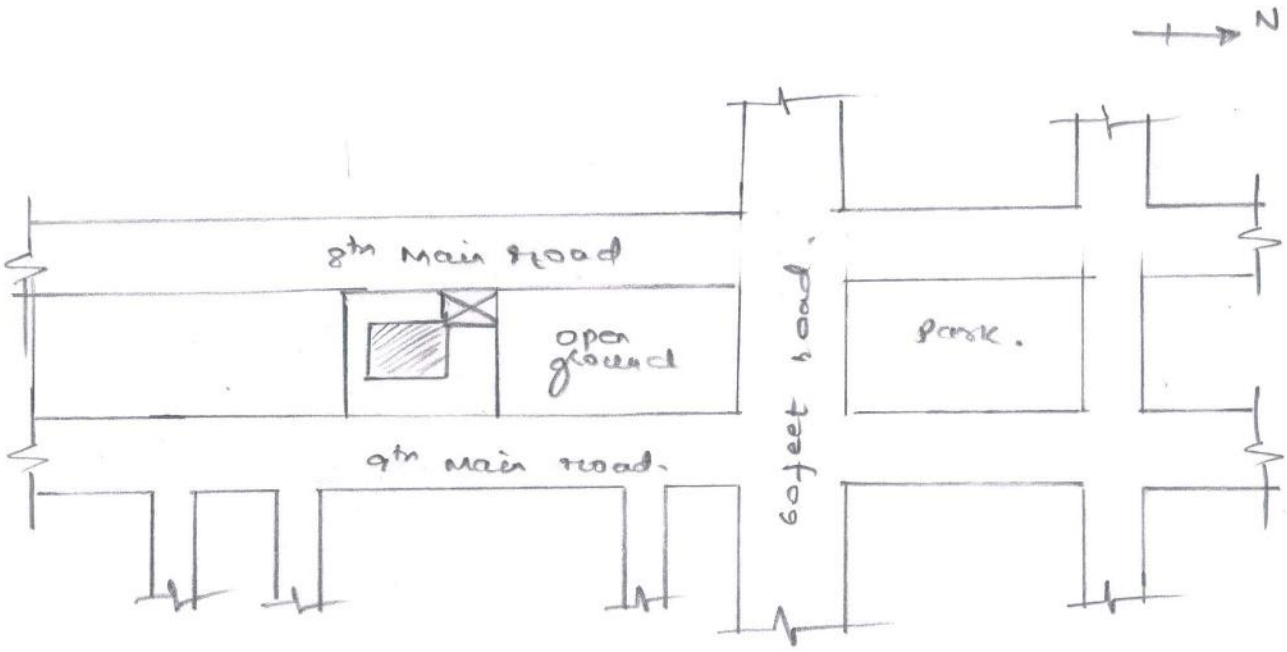
Administrative Approval
Accorded For Rs.30.00 lakh Rs
Head of A/C P-1771
CER NO : 9A Dt: 20.07.16

TA CE (YNK)

Technical Sanction
Accorded For Rs.30.00 lakh Rs.
Head of A/C P-1771
CER NO : 17A Dt: 20.07.16

TA CE (YNK)

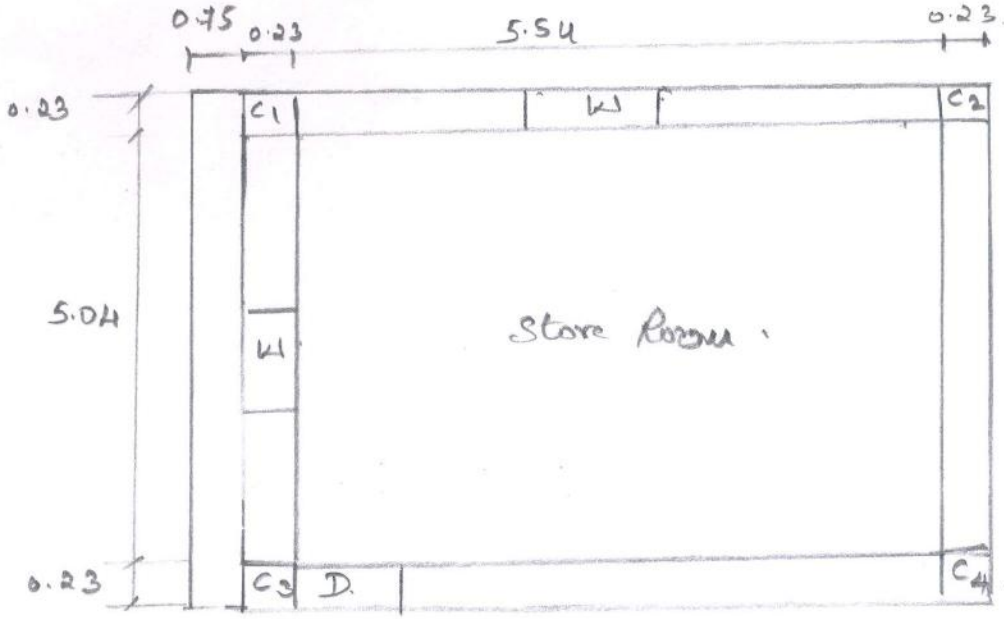
Name of work : Emergency works in ward no 8, Kodigehalli sub division



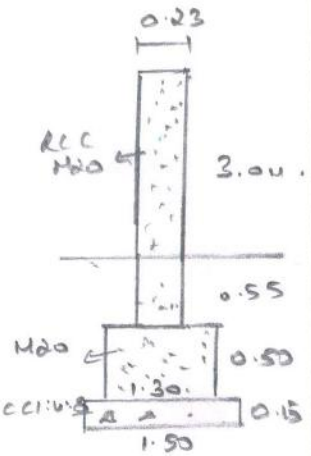
Location sketch.

New Proposed Store Room

Existing division office building (Proposed furniture & partition wall)



PLAN of Store Room.

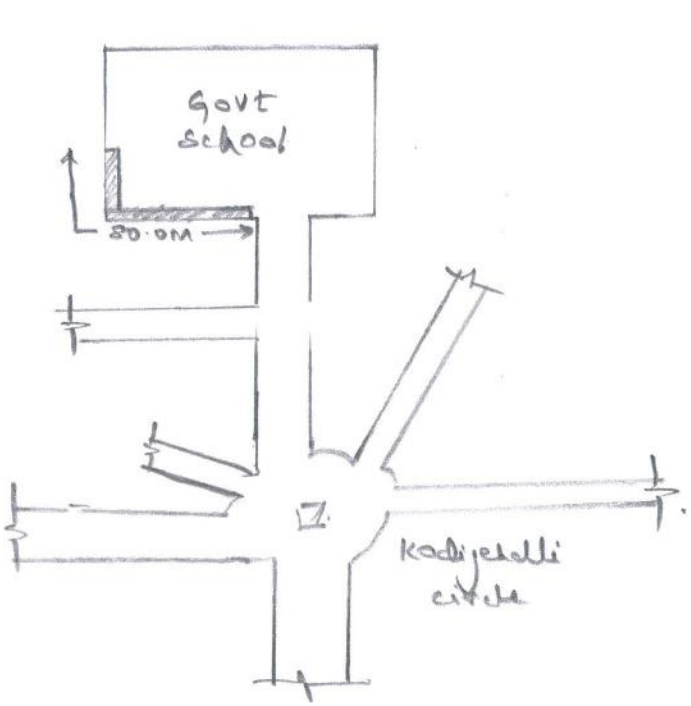


C/S of footing (Column)

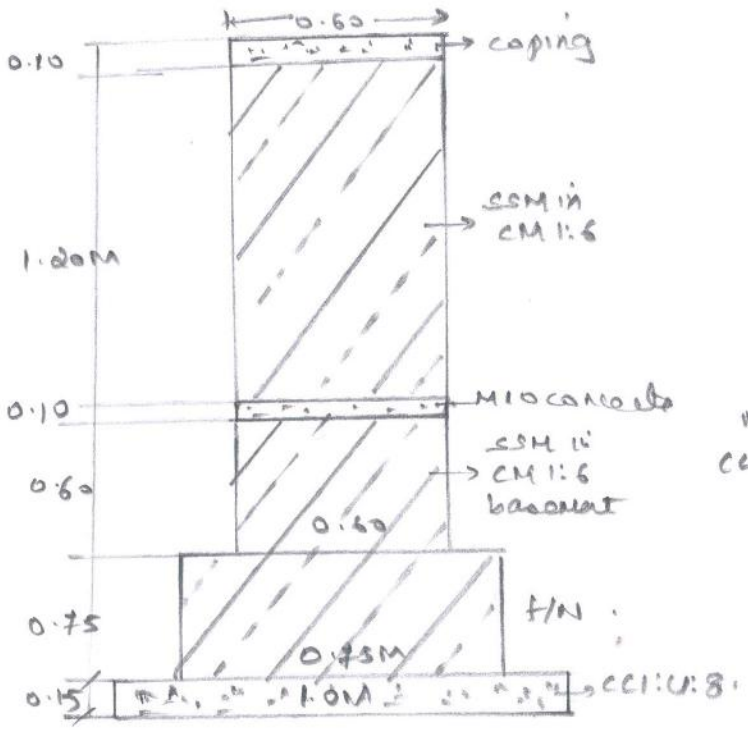
C_1-C_4 - columns.
D → 1.20 M x 1.20 M.
W → 1.35 m x 1.35 m.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.

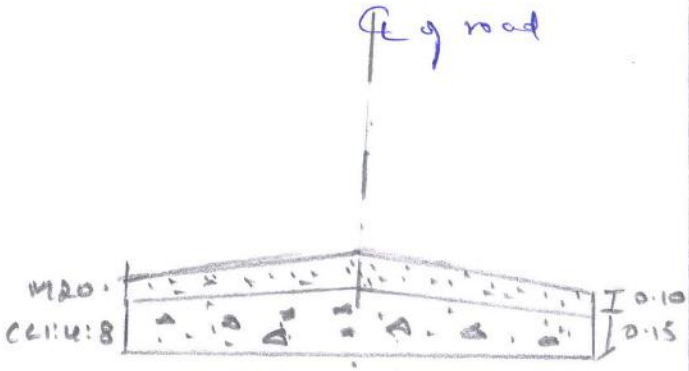
Name of work: Emergency works in ward no. 8, Kodigehalli sub division



Location sketch.



C/s of compound wall.



Typical C/s of CC road.

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